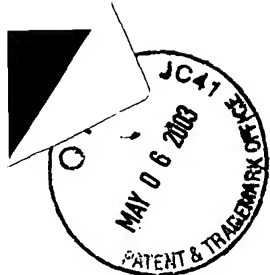


2857



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE PATENT  
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TECH CENTER 1600/2900

Applicant: John R. Desjarlais

Serial No.: 10/071,859

Filed: February 6, 2002

For: APPARATUS AND METHOD FOR DESIGNING PROTEINS AND  
PROTEIN LIBRARIES

Art Unit: 2857

Examiner: Not Yet Assigned

Attorney Docket: 823.0093USQ

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COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith is:

1. Supplemental Information Disclosure Statement;
2. PTO Form 1449 with copies of references;
3. Transmittal letter in duplicate; and
4. Postcard.

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TECHNOLOGY CENTER 2800

Please charge any additional fees or credit any such fees, if necessary to Deposit  
Account No. 01-0467 in the name of Ohlandt, Greeley, Ruggiero & Perle. A duplicate  
copy of this sheet is attached.

Respectfully submitted,

Date: May 2, 2003

Paul D. Greeley, Esq.  
Reg. No. 31,019  
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.  
One Landmark Square, 10th Floor  
Stamford, Connecticut 06901-2682  
(203) 327-4500

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST  
CLASS MAIL IN AN ENVELOPE ADDRESSED TO: MAIL STOP DD COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
ALEXANDRIA, VA 22313-1450, ON MAY 2, 2003.

Alex Nulman  
NAME

SIGNATURE

05/02/03  
DATE



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#80  
Plunkett  
5/29/03

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

In accordance with applicant's duty of disclosure under 37 C.F.R. §1.56, please find attached hereto form PTO-1449 listing information which may be material to the patentability of this application, filed February 6, 2002. This Supplemental Information Disclosure Statement is being filed:

- \_\_\_ Within three (3) months of the filing date of the national application;
- \_\_\_ Within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
- XXXX** Before the mailing date of a first Office Action on the merits;
- \_\_\_ After the filing date or date of first Office Action, but before the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);
- \_\_\_ After the filing date or date of first Office Action, but before the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);
- \_\_\_ After the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a

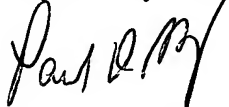
certification as specified in 37 C.F.R. §1.97(e), a petition requesting consideration of the I.D.S., and the petition fee set forth in 37 C.F.R. §1.17(i)(1); and

After the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the issuance of a final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e), a petition requesting consideration of the I.D.S., and the petition fee set forth in 37 C.F.R. §1.17(i)(1).

Enclosed are 4 prior art citations titled: "Adaptability of restrained molecular dynamics for tertiary structure prediction: application to *Crotalus atrox* venom phospholipase A<sub>2</sub>", "Protein design automation", "Reduced representation model of protein structure prediction: Statistical potential and genetic algorithms" and "Application of a self-consistent mean field theory to predict protein side-chains conformation and estimate their conformational entropy".

It should be understood that attention has been called to the references that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed references and to make the usual careful independent search for other prior art that may be pertinent.

Respectfully submitted,



May 2, 2003

Paul D. Greeley  
Reg. No. 31,019  
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.  
One Landmark Square, 10th Floor  
Stamford, CT 06901-2682  
(203) 327-4500

FORM PTO-1449

Docket Number (Optional)

Application Number

**823.0093USQ****10/071,859**

Applicant

**John R. Desjarlais**

Filing Date

**February 6, 2002**

Group Art Unit

**2857**

 INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

Use several sheets if necessary)

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	T. Fujiyoshi-Yoneda et al., (1991), "Adaptability of restrained molecular dynamics for tertiary structure prediction: application to <i>Crotalus atrox</i> venom phospholipase A <sub>2</sub> ", Protein Engineering, vol. 4, no. 4, pps. 443-450,
	Dahiyat et al., (1996), "Protein design automation", Protein Science (5), pps. 895-903
	Shaojian Sun, (1993), "Reduced representation model of protein structure prediction: Statistical potential and genetic algorithms", Protein Science (2), pps. 762-785

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Docket Number (Optional)

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**10/071,859**

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## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	Patrice Koehl et al., (1994), "Application of a self-consistent mean field theory to predict protein side-chains conformation and estimate their conformational entropy", J. Mol. Biol. 239, pps. 249-275

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